PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: JANE MASSEY LICATA LICATA & TYRRELL P.C. 66 E. MAIN STREET MARLTON, NJ 08053



NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

Date of Mailing (day/month/year)

23 nat 2001

Applicant's or agent's file reference

PENN-0728

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US00/21789

10 AUGUST 2000

19 AUGUST 1999

Applicant

THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of 3. the report (but not of any annexes) and will transmit such translation to those Offices.

REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PENN-0723	FOR FURTHER ACTION	Prelimina	•	
International application No.	International filing date (day/s	PCT/IPEA month/year)	Priority date (day/month/year)	
PCT/US00/21789	10 AUGUST 2000		19 AUGUST 1999	
International Patent Classification (IPC IPC(7): GO1N 33/53; C12N 9/00; A6			2	
Applicant THE TRUSTEES OF THE UNIVER	SITY OF PENNSYLVANIA			
	ary examination report has transmitted to the applicant		red by this International Preliminary Article 36.	
2. This REPORT consists of a	total of 4 sheets.			
This report is also accombeen amended and are the (see Rule 70.16 and Section 1).	panied by ANNEXES, i.e., she te basis for this report and or sh ion 607 of the Administrative L	eets containin	cription, claims and/or drawings which have ag rectifications made before this Authority. ader the PCT).	
These annexes consist of a to	tal of sheets.			
3. This report contains indication	ns relating to the following it	ems:		
I X Basis of the repo	rt			
II Priority				
III Non-establishme	nt of report with regard to no	velty, invent	ive step or industrial applicability	
IV Lack of unity of	invention			
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement				
VI Certain documents	cited			
VII Certain defects in the international application				
VIII Certain observations on the international application				
Date of submission of the demand	Date	of completion	of this report	
16 MARCH 2001	0	5 SEPTEMB	ER 2001	
Name and mailing address of the IPEA Commissioner of Patents and Trades Box PCT Washington, D.C. 20231	narks	crized officer EBORAH CI	Budgers for	
Facsimile No. (703) 305-3230	Tel	phone No.	(703) 308-0196	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/21789

I. Basis of the report		
1. With regard to the elements of th	ne international application:*	
the international applica		
x the description:	,	
pages (See Atta	ached)	as originally filed
	, filed with the letter of	
X the claims:	asked)	
pages (See Atta		, as originally filed
pages	, as amended (together w	
	, filed with the letter of	, med with the demand
10		
X the drawings:		
pages (See Atta		, as originally filed
pages	, filed with the letter of	
x the sequence listing part	of the description:	
	ched)	, as originally filed
pages	, filed with the letter of	
the language of publicati	ation furnished for the purposes of international tion of the international application (under Rule tion furnished for the purposes of international prelim	48.3(b)).
	e and/or amino acid sequence disclosed in the inter- carried out on the basis of the sequence listing:	ernational application, the international
Contained in the internation	tional application in printed form.	
filed together with the in	nternational application in computer readable for	rm.
furnished subsequently to	o this Authority in written form.	
furnished subsequently to	o this Authority in computer readable form.	
	bsequently furnished written sequence listing does	not go beyond the disclosure in the
international application a	as filed has been furnished. mation recorded in computer readable form is identi	- •
been furnished.	milation recorded in computer readable form is identi-	ical to the writen sequence fishing has
4. X The amendments have re	esulted in the cancellation of:	
x the description, page	ges_ NONE	
x the claims, Nos.		
X the drawings, shee		
	n as if (some of) the amendments had not been made,	since they have been considered to go
	filed, as indicated in the Supplemental Box (Rule 70.2)	· · · · · · · · · · · · · · · · · · ·
* Replacement sheets which have be	neen furnished to the receiving Office in response to an i ed" and are not annexed to this report since they do	invitation under Article 14 are referred to
•	ing such amendments must he referred to under item	n I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/21789

statement			
Novelty (N)	Claims	1-10	Y
	Claims	NONE	N
Inventive Step (IS)	Claims	1-10	7
• . ,	Claims	NONE	N
Industrial Applicability (IA)	Claims	1-10 NOVE	Z
	Claims	NONE	N
NONE			
	••••••		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/21789

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

I. BASIS OF REPORT:

This report has been drawn on the basis of the description, page(s) 1-13, as originally filed.
page(s) NONE, filed with the demand.
and additional amendments:
NONE

This report has been drawn on the basis of the claims, page(s) NONE, as originally filed.
page(s) NONE, as amended under Article 19.
page(s) NONE, filed with the demand.
and additional amendments:
Pages 14 and 15, filed with the letter of 09 August 2001.

This report has been drawn on the basis of the drawings, page(s) NONE, as originally filed. page(s) NONE, filed with the demand. and additional amendments:

NONE

This report has been drawn on the basis of the sequence listing part of the description: page(s) NONE, as originally filed.
pages(s) NONE, filed with the demand.
and additional amendments:
NONE

INTERNATIONAL SEARCH REPORT

International application No.

		PCT/U\$00/21	789	
IPC(7) US CL According t	SSIFICATION OF SUBJECT MATTER :G01N 33/53; C12N 9/00; A61K 38/00 :435/7.1, 183+; 514/12 to International Patent Classification (IPC) or to both	th national classification and IPC		
	DS SEARCHED			
	ocumentation searched (classification system follow 435/7.1, 183+; 514/12	red by classification symbols)		
Documentat	tion searched other than minimum documentation to the	ne extent that such documents are included	in the fields searched	
	data base consulted during the international search (representational s	name of data base and, where practicabl	e, search terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Y	PRICE et al. Human Cyclophilin B: Encodes a Peptidyl-Prolyl Isomerase v Natl. Acad. Sci. (USA). March 1991, especially pages 1906-1907.	1-10		
Y	ALLAIN et al. Characterization of Cyclophilin B on a Human Tumor T-C Chemistry. 17 June 1994, Vol. 269, No especially page 16540.	1-10		
	BEST A	VAILABLE COPY		
X Furth	ner documents are listed in the continuation of Box (C. See patent family annex.		
* Special categories of cited documents: "T" letter document published after the internsticulal filling date or priority				
	cument defining the general state of the art which is not considered be of perturble relevance	date and not in conflict with the appli the principle or theory underlying the	cation but cited to understand	
"R" earlier document published on or after the international filling data "X" document of purticular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step				
cite	rument which may throw doubts on priority chaim(s) or which is ad to establish the publication date of enother citation or other cial reason (se appointed)	"Y" document of perticular relevance; the	claimed invention cannot be	
°O° doc	cumount referring to an oral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination	
	rument published prior to the international filing date but later than priority date claimed	"&" document member of the same pasent	family	
Date of the actual completion of the international search Date of mailing of the international search report				
10 SEPTE	10 SEPTEMBER 2000 22 SEP 2000			
	nailing address of the ISA/US	Authorized officer fulle	DANKOND	
Box PCT	D.C. 20231	DEBORAH CROVOH, PH.D.	Sulges	
Pacaimile No		Telephone No. (703) 308-0196	gr	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/21789

		PCT/US00/217	89
C (Continue	ation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant	passages	Relevant to claim No.
Y .	MERTANI et al. Cellular Expression of Growth Hormone Prolactin Receptors in Human Breast Disorders. Internation Journal of Cancer. 1998, Vol. 79, pages 202-211, especial 207-209.	mal	1-10
Y	MARILLER et al. Involvement of the N-Terminal Part of Cyclophilin B in the Interaction with Specific Jurkat T-Ce Binding Sites. Biochemical Journal. 1996, Vol. 317, pages 576, see especially pages 575-576.	n l	1-10
Y	DENYS et al. Involvement of Two Classes of Binding Site Interactions of Cyclophilin B with Peripheral Blood T-Lymphocytes. Biochemical Journal. 1998, Vol. 336, pages 697, see especially pages 695-696.		1-10
l	DENYS, A. et al. Distribution of Cyclophilin B-Binding Si the Subsets of Human Peripheral Blood Lymphocytes. Immunology. 1997, Vol. 91, 609-617, see especially pages 616.	1	9 and 10
l	ALLAIN et al. Selective Assay for CyPA and CyPB in Hu Blood using Highly Specific Anti-Peptide Antibodies. Journ Immunological Methods. 1995, Vol. 178, pages 113-120, se especially pages 118 and 119.	20105	9 and 10
	PRICE et al. Cyclophilin B Trafficking through the Secreto Pathway is Altered by Binding of Cyclosporin A. Proc. Nat Sci. (USA). April 1994, Vol. 91, pages 3931-3935, see esp pages 3934 and 3935.	1 Acad	1-10
	US 5,523,227 A (BRAM et al) 04 June 1996, col. 5, lines 6 col. 6, line 66 to 67, and col. 8, lines 33-36 55-63.	3-676,	-10
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PATENT COOPERATION TREATY

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	•		From	the INTERNATIONAL	RURFALI	
Ì	PCT		To:			7
V						
	NOTIFICATION OF THE RECORD OF A CHANGE	RDING		PLAWSKI, Edward, G.		
	(PCT Rule 92bis.1 and Administrative Instructions, Section 2015)	tion 422)	555	ey & Austin West Fifth Street Angeles, CA 90013-1	010	İ
				TS-UNIS D'AMERIQU		
	Date of meiling (day/month/year) 23 April 2001 (23.04.01)		1			
	Applicant's or agent's file reference					=
	Applicant's or agent's file reference PENN-0723			IMPORTANT NOTIFICATION		
	integrational application No.			International filing date (day/month/year) 10 August 2000 (10.08.00)		
	1. The following indications appeared on reco	ord popperations				룩.
	the applicant the investment		the age	nt the com	non representative	
	Name and Address			State of Nationality	State of Residence	\dashv
	LICATA, Jane, Massey Law Offices of Jane Massey Licata					╛
	66 E. Main Street Mariton, NJ 08053			Telephone No.		
	United States of America			(866)810-1515 Facsimile No.		ゴ
	1			(856)810-1454		
	<u>'</u>			Teleprinter No.		4
				releprinter No.		1
	2. The International Bureau hereby notifies the	applicant that the	e fallowing	change has been recorded	concerning:	1
	X the person the name	the addr	ress	the nationality	the residence	1
	Name and Address			State of Nationality	State of Residence	┪┈
	POPLAWSKI, Edward, G.			•	,	1
	Sidley & Austin 555 West Fifth Street			Telephone No.	<u> </u>	┪
	Los Angeles, CA 90013-1010 United States of America		1	213/896-6601		1
	United States of America		<u> </u>	Facsimile No.		-
				213/896-6600		
			Ì	Teleprinter No.	<u> </u>	-
					ĺ	
7	3. Further observations, if necessary: A power of attorney appointing the	new agent is	required	for further action.		1
	4. A copy of this notification has been sent to:					4
	X the receiving Office		r	7	•	
			<u> </u>	the designated Offices		
ŀ	the International Searching Authority		L	the elected Offices por	cerned	1
	the International Preliminary Examining	Authority		other:		1
ſ	The International Burners	A	wthorized o	fficer		<u>-</u>
	The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland			Y. KUWAHA	AE_	
	Facsimile No.: (41-22) 740.14.35	T	elephone N	o.: (41-22) 338,83,38		
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